

ABSTRACT**A DEVICE FOR VISUALIZATION OF INFORMATION
ON A ROTATING VISIBLE SURFACE**

The device can be used on rotating visible surfaces of machines, appurtenances, vehicles, fans, and others. It is characterized by a higher quality of the image display, reliability, and enhanced informational capabilities. It comprises N light sources, evenly disposed on a flexible substrate 2, and connected by means of a driver 3 to a mounted on the substrate 2 microcontroller 4 with an independent power supply 5. A synchronization sensor 6 is connected to the microcontroller 4. The light sources may be LEDs - one- or three-colored (RGB). The synchronization sensor 6 responds to gravity when mounted on a rotating surface, whose rotation axis is not perpendicular to the Earth's surface, or is actuated at a position relative to a given immovable point, provided the rotation axis is perpendicular to the Earth's surface. A light sensor 7 is connected to the microcontroller 4, which in turn is connected to a control panel 8. Sensors 6 and 7, and the control panel 8 are disposed on the substrate 2. The microcontroller 4 has a serial interface 9.

4 claims, 14 figures (fig. 1 and fig. 9 to be published)